

Ben Green

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EDUCATION

Harvard University

PhD in Applied Mathematics 2020 (expected)
MS in Applied Mathematics 2016

Yale University

BS in Mathematics & Physics, with distinction (Cum Laude) 2014

AFFILIATIONS

AI Now Institute at New York University

Research Fellow 2019–2020

NYU Technology Law and Policy Clinic

Visiting Fellow 2019–2020

Berkman Klein Center for Internet & Society at Harvard

Affiliate 2018–Present

Fellow 2016–2018

GRANTS AND AWARDS

Heinrich Boell Foundation Digital Policy Transatlantic Tour delegate 2019
Best Technical and Interdisciplinary Paper, ACM FAT* 2019
Berkman Klein Center for Internet & Society Fellowship 2016
Harvard Kennedy School Taubman Center Urban Experience Fellowship 2016
NSF Graduate Research Fellowship (3 years of full support) 2015
DOD Science and Engineering Graduate Fellowship (3 years of full support; declined) 2015
Herbert Winokur SEAS Graduate Fellowship (1 year of full support) 2015
Eric & Wendy Schmidt Data Science for Social Good Summer Fellowship 2014
Dwight Hall at Yale Urban Fellowship 2013
New Haven Mayor's Community Arts Grant 2013
Yale President's Public Service Fellowship 2013
Undergraduate Awards Highly Commended Paper in International Relations and Politics 2013
Alan S. Tetelman 1958 Fellowship for International Research in the Sciences 2011

BOOKS

Ben Green. *The Smart Enough City: Putting Technology in Its Place to Reclaim Our Urban Future*. MIT Press. 2019.

REFEREED PAPERS

Ben Green and Yiling Chen. "The Principles and Limits of Algorithm-in-the-Loop Decision Making." *Proceedings of the ACM on Human-Computer Interaction*, 3, CSCW. 2019.

Ben Green and Yiling Chen. "Disparate Interactions: An Algorithm-in-the-Loop Analysis of Fairness in Risk Assessments." *ACM Conference on Fairness, Accountability, and Transparency (FAT*)*. 2019. **Best Technical and Interdisciplinary Paper**

Ben Green, Thibaut Horel, and Andrew Papachristos. "Modeling contagion through social networks to explain and predict gunshot violence in Chicago, 2006 to 2014." *JAMA Internal Medicine* 177, no. 3. 2017.

Ben Green, Paul Bardunias, J. Scott Turner, Radhika Nagpal, and Justin Werfel. "Excavation and aggregation as organizing factors in de novo construction by mound-building termites." *Proceedings of the Royal Society B* 284, no. 1856. 2017.

Ben Green, Alejandra Caro, Matt Conway, Robert Manduca, Tom Plagge, and Abby Miller. "Mining administrative data to spur urban revitalization." *Proceedings of the 21st ACM SIGKDD*

Conference on Knowledge Discovery and Data Mining (KDD). 2015.

WORKSHOP
PAPERS

Ben Green. “Fair’ Risk Assessments: A Precarious Approach for Criminal Justice Reform.” *5th Workshop on Fairness, Accountability, and Transparency in Machine Learning (ICML)*. 2018.

Ben Green and Lily Hu. “The Myth in the Methodology: Towards a Recontextualization of Fairness in Machine Learning.” *Machine Learning: The Debates Workshop (ICML)*. 2018.

Ben Green. “Testing and quantifying collective intelligence,” *Proceedings of the Collective Intelligence Conference*. 2015.

POLICY REPORTS

Ben Green, Gabe Cunningham, Ariel Ekblaw, Paul Kominers, Andrew Linzer, and Susan Crawford. “Open Data Privacy: A risk-benefit, process-oriented approach to sharing and protecting municipal data,” *Berkman Klein Center Research Publication* (2017).

EXPERT
TESTIMONIES

Canadian Civil Liberties Association v. Waterfront Toronto (2019)
Boston City Council Committee on Public Safety and Criminal Justice (2018)
Cambridge City Council Public Safety Committee (2017)

PUBLIC WRITING

Ben Green. “Smile, Your City is Watching You.” *The New York Times*, June 27, 2019.

Ben Green. “The Biggest Mistakes Cities Make in Their Quest to Be Smart.” *The Wall Street Journal*, May 17, 2019.

Ben Green. “Can predictive policing help stamp out racial profiling?” *The Boston Globe*, April 17, 2019.

Ben Green. “Cities Are Not Technology Problems: What Smart Cities Companies Get Wrong.” *Metropolis Magazine*, March 4, 2019.

MEDIA COVERAGE

The New York Times, The Wall Street Journal, Boston Review, CityLab, Slate, NPR, Huffington Post, Science, The Intercept, Harvard Magazine, Bloomberg Cities, StateScoop, Communications of the ACM, Next City, Chicago Sun Times

TEACHING

Visiting Fellow, NYU Technology Law & Policy Clinic	2019–2020
Faculty Member, UC Irvine Technology, Law, and Society Summer Institute	June 2018
Course Assistant, Harvard Law School Responsive Communities Lab	Fall 2016
Head Teaching Fellow, Harvard Computer Science 182: Artificial Intelligence	Fall 2015
Math and Science Coordinator, Dwight Hall Academic Mentoring Program at Yale	2013–2014
Tutor, Yale College Science and Quantitative Reasoning Center	2011–2014

POLICY AND
PUBLIC SERVICE
EXPERIENCE

City of Boston

Department of Innovation & Technology

Municipal data analytics and policy

Worked for the Citywide Analytics Team combining data analysis and performance management to improve operations for Boston’s Emergency Medical Services, Fire Department, and Public Works department. Developed privacy policies and practices for enhancing civic engagement.

Data analytics fellow

June 2016 – May 2017

Harvard University

Berkman Center for Internet & Society

Best practices for municipal data governance

Worked with municipal data officials and led a team of researchers to develop best practices for how cities manage data. Wrote a report about privacy and open data that has influenced privacy policies in Austin, Boston, Cambridge, Columbus, San Francisco, and Seattle.

Data governance fellow

January 2016 – August 2017

University of Chicago

Data Science for Social Good
Data science for urban revitalization

Research fellow
June 2014 – August 2014

Worked with the Mayor's Innovation Delivery Team in Memphis, TN to develop a machine learning system that could enhance efforts to revitalize distressed neighborhoods.

City of New Haven

Department of Transportation
Improving parking technology and policy

Policy intern
May 2013 – May 2014

Coordinated the adoption of new smartphone payment technology in parking meters throughout New Haven. Updated parking regulations to reduce congestion and aid economic development.

Yale University

Design for America
Creating artistic bike racks

Team founder and leader
September 2012 – May 2014

Created a program to improve bicycling infrastructure in New Haven with bike racks that double as public art, funded by local businesses and a Mayor's Community Arts Grant.

TALKS

2019

New York Law School Innovation Center for Law and Technology
Drexel Law School, Algorithmic Governance in Law Enforcement & Criminal Justice workshop
Tufts University Science, Technology, and Society Lunch Seminar
American Institute of Architects, New York
Boston Society of Architects
University of New Hampshire Law School Blockchain, Cryptocurrency and Law program
MIT Press Bookstore
MIT Department of Urban Studies and Planning
Harvard Institute for Learning in Retirement
Carleton University Master of Public Policy and Administration program
Harvard Applied Computation 221: Critical Thinking in Data Science (guest lecture)
Seton Hall University Law School Institute for Privacy Protection Spring Conference
University of California, Irvine
Harvard Sociology 98AB: Urban Politics in the Global City (guest lecture)
Berkman Klein Center Luncheon Series
ACM Conference on Fairness, Accountability, and Transparency (FAT*)
Crime Lab New York
AI Now Institute at NYU

2018

Strategic Leadership Development for Senior Vietnamese Government Officials
MetroLab Annual Summit (panel moderator)
University of Indiana Ostrom Workshop on Smart Cities
Privacy Task Force for New Jersey Municipalities
Fairness, Accountability, and Transparency in Machine Learning (ICML workshop)
Machine Learning: The Debates (ICML workshop)
Humboldt University of Berlin Faculty of Law
Berkman Klein Center Attorney General Tech Forum
Seton Hall Law School Artificial Intelligence and the Law Conference

2017

Seton Hall Law School Institute for Privacy Protection Conference
National Network for Safe Communities National Conference
Harvard Data Privacy Lab Talks on Technology Science
LibrePlanet
Boston Area Research Initiative Spring Conference
Future of Privacy Forum Smart Cities working group

2016

Harvard Law School 2813: City Use of Technology (guest lecture)
City of Cambridge Open Data Review Board

Digital Communities Mid-Year CIO Leadership Group Meeting

2015

ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)
Collective Intelligence

SERVICE

Workshop Organizing: The Future of IoT in Cities (Harvard Law School, 2016); Best Practices
in Municipal Open Data Management (Harvard Law School, 2016)

Program Committee: Black in AI (NeurIPS workshop) 2018, 2019; Conference on Fairness,
Accountability, and Transparency (FAT*) 2019, 2020; International ACM Web Science Confer-
ence (WebSci) 2019; Debugging Machine Learning Models (ICLR workshop) 2019; Mechanism
Design for Social Good (EC workshop) 2019

Reviewing: MIT Press (3x); Big Data & Society; Online Information Review; Data Mining and
Knowledge Discovery; npj Digital Medicine; Open Data Research Symposium